IN THE DRAWINGS

Applicants propose to label the blocks in Figs. 2-4 and 9 of the drawings in accordance with the accompanying ANNOTATED SHEETS SHOWING CHANGES.

Enclosed herewith are REPLACEMENT SHEETS in which the above changes have been incorporated.

REMARKS

The specification as filed has been amended on pages 8 and 9 to correct typographical errors.

Applicants believe that the above change answers the Examiner's objection to the disclosure, and respectfully requests withdrawal thereof.

The claims have been amended to more clearly define the invention as disclosed in the written description. In particular, the claims have been amended for clarity.

The Examiner has rejected claim 11 under 35 U.S.C. 101 in that the claimed invention is directed to non-statutory subject matter.

Claim 11 has been amended such that it is now directed to a computer-readable medium having a computer program recorded thereon. As such, Applicants believe that claim 11 is now statutory.

The Examiner has rejected claims 1-3 and 7-11 under 35 U.S.C. 102(b) as being anticipated by U.S. Patent Application Publication No. 2005/0015803 to Macrae et al. The Examiner has further rejected claims 4 and 5 under 35 U.S.C. 103(a) as being unpatentable over Macrae et al. in view of U.S. Patent Application Publication No. 2003/0236918 to Manor et al. Furthermore, the Examiner has rejected claim 6 under 35 U.S.C. 103(a) as being unpatentable over Macrae et al. in view of manor et al., and further in view of U.S. Patent 5,734,589 to Kostreski et al.

The Macrae et al. publication discloses systems and methods for providing real-time services in an interactive television program guide application.

As noted in MPEP §2131, it is well-founded that "A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). Further, "The identical invention must be shown in as complete detail as is contained in the ... claim." *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989).

The Examiner has indicated that Macrae et al. discloses "message means (94) for extracting messages from the data stream, the messages containing the application data objects (para 0106 illustrates message extracted from data stream)".

Applicants submit that the Examiner is mistaken. In particular, the noted section of Macrae et al. states:

> "[0106] Service navigation bar 804 includes options for allowing the user to navigate to different services provided by the interactive television program guide application. These options may include a "News" service tab 821, a "Listings" service tab 822, a "Sort" service tab 823, a "Messages" service tab 824, a "Sports" service tab 825, a "Schedule" service tab 826, a "Weather" service tab 827, a "Setup" service tab 828, a "Play List" service tab, a "Search" service tab, and any other suitable service tabs. As shown in FIG. 8, the interactive television program guide application may display three service tabs in navigation bar 804. However, the service tabs may be displayed using any suitable display arrangement. The interactive television program guide application may allow the user

> to navigate through services by, for example, scrolling between service tabs. It will be understood that the interactive television program guide application may provide the user with other user interface constructs suitable for navigating through service tabs, such as drop-down menus, radio buttons, or push buttons."

Applicants submit that it should be apparent that Macrae et al. is describing various "tabs" appearing in the display of the interactive television program guide application. While these tabs may relate to different applications corresponding to different application data objects, there is no disclosure or suggestion of "message means for extracting messages from the data stream, the messages containing the application data objects".

The Examiner further indicates that Macrae et al. discloses "parsing means (95) for generating application control information (para 0069 illustrates generating application control information)".

Again, Applicants submit that the Examiner is mistaken. in particular, the noted section of Macrae et al. states:

> "[0069] Recording device 66 may contain at least one analog tuner for tuning to a desired analog television channel (e.g., multiple tuners may be provided). Recording device 66 may also contain digital decoding circuitry for receiving digital television and music channels. If desired, recording device 66 may contain circuitry for handling both analog and digital channels. Recording device 66 also contains a processor (e.g., multiple tuners may be provided, a microcontroller or microprocessor or the like) that is used to execute software applications. Recording device 66 may contain memory such as random-access memory for use when executing applications. Nonvolatile memory may also be used to store a boot-up routine or other instructions. The hard disk and other storage in recording device 66 may be used to support databases (e.g., program guide databases or interactive television application databases). The hard disk or

other storage in recording device 66 may also be used to record video such as television programs or video-on-demand content or other content provided to recording device 66 over input/output 70."

Applicants submit that it should be clear from the above that Macrae et al. is describing a recording device that may include tuners for tuning to programs, a microprocessor for executing software instructions, memory for use when executing applications, non-volatile memory for storing boot-up routine or other instructions, and a hard disk for storing databases and video content. However, there is no disclosure or suggestion of "parsing means for generating application control information." As described in the specification on page 11, lines 17-21, the parsing unit parses the MHP packets to extract the application control information.

The Examiner also states that Macrae et al. discloses "control means (20) for storing the messages in a message file separate from the real-time information as a series of the messages for the program and for storing the application control information in a message info file, the application control information including accessing information for accessing the messages in the message file (paras 0062 and 0069 illustrate storage of interactive tv application data base and executing application)".

Applicants submit that while Macrae et al. discloses random-access memory for use in executing applications, the recording of a video program, and the storing of back-up data or other larger databases, there is no disclosure or suggestion in

Macrae et al. of "control means for storing the messages in a message file separate from the real-time information as a series of the messages for the program, and for storing the application control information in a message info file, the application control information including accessing information for accessing the messages in the message file."

Claim 4 includes the limitation "wherein the message means removes redundant information from the messages extracted from the data stream", while claim 5 includes the limitation "wherein the message means removes, as the redundant information, header information of packets, including headers of transport stream packets or sections headers as used in compressed video data transmission (MPEG2), or download-data-block headers as used in multimedia data (MHP)."

The Manor et al. publication discloses a system and method for producing an encapsulated multimedia packets, in which a protocol unwrapping module may unwrap the intercepted packet by "removing the header and removing redundant protocol specific coding". However, Applicants submit that Manor et al. does not supply that which is missing from Macrae et al., i.e., the "message means...", the "parsing means..." and the "control means..." as specifically set forth in, for example, claim 1.

The Kostreski et al. patent discloses a digital entertainment terminal with channel mapping, which arguably discloses the removal of redundant programming. However, Applicants submit that Kostreski et al. does not supply that which his missing

from Macrae et al. and Manor et al., i.e., the "message means...", the "parsing means..." and the "control means..." as specifically set forth in, for example, claim 1.

In view of the above, Applicants believe that the subject invention, as claimed, is neither anticipated nor rendered obvious by the prior art, either individually or collectively, and as such, is patentable thereover.

Applicants believe that this application, containing claims 1-11, is now in condition for allowance and such action is respectfully requested.

Respectfully submitted,

by /Edward W. Goodman/
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Tel.: 914-333-9611

ANNOTATED SHEET SHOWING CHANGES

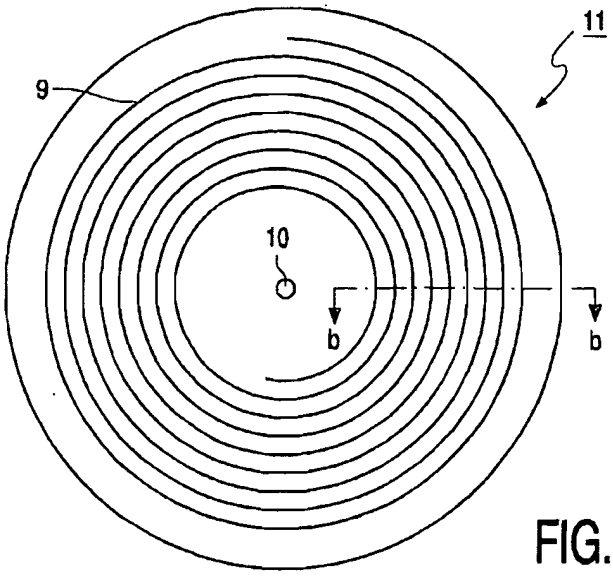

FIG. 1a

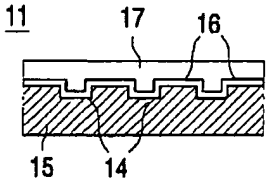

FIG. 1b

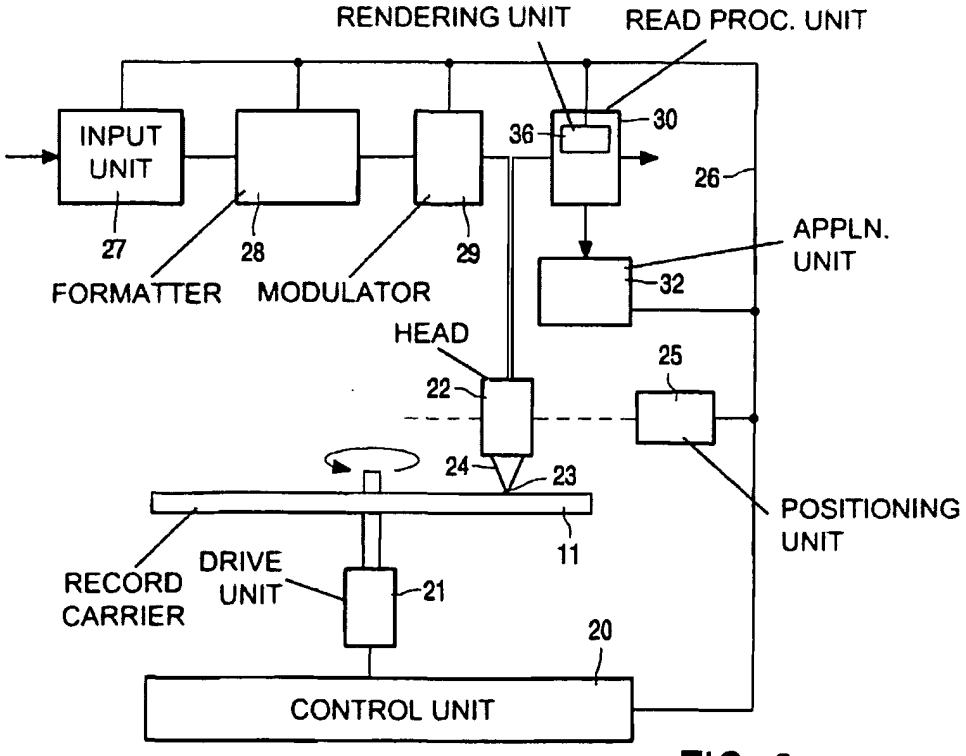

FIG. 2

ANNOTATED SHEET SHOWING CHANGES

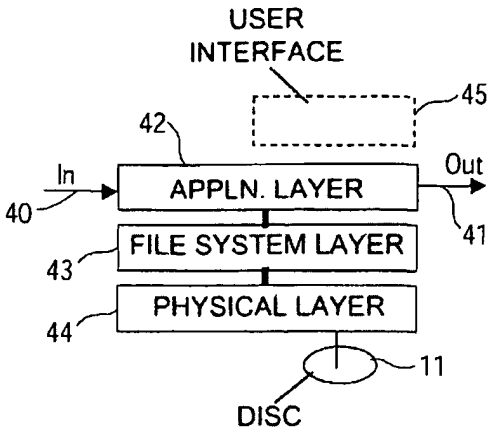

FIG.3

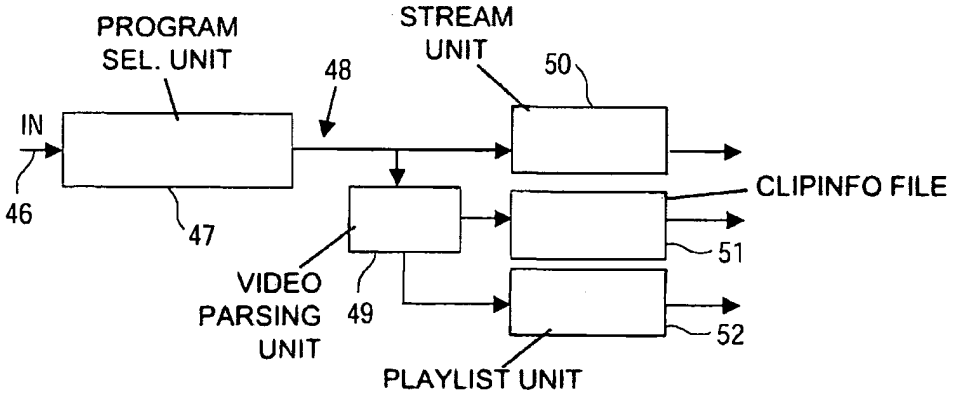

FIG.4

ANNOTATED SHEET SHOWING CHANGES

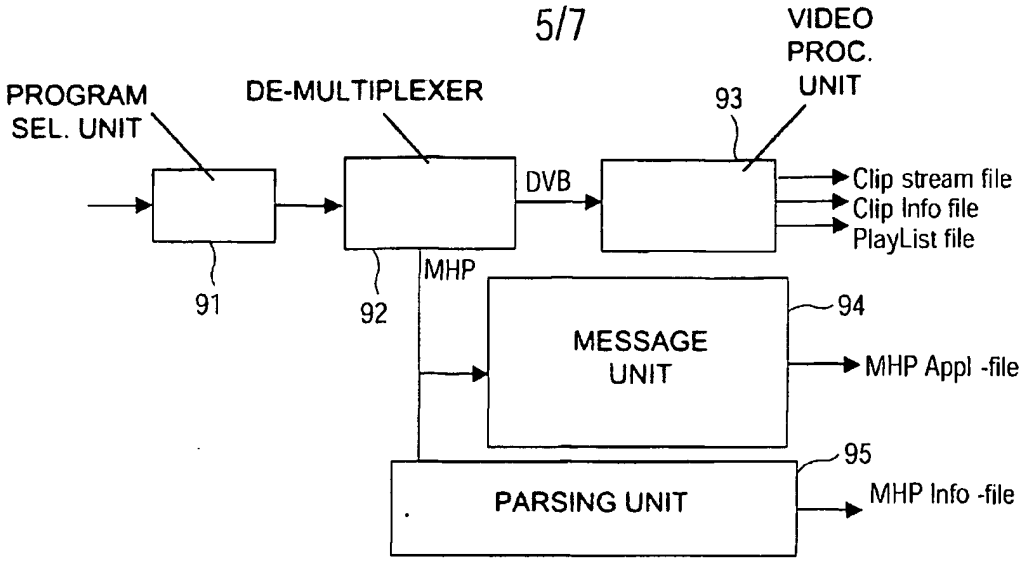

FIG.9

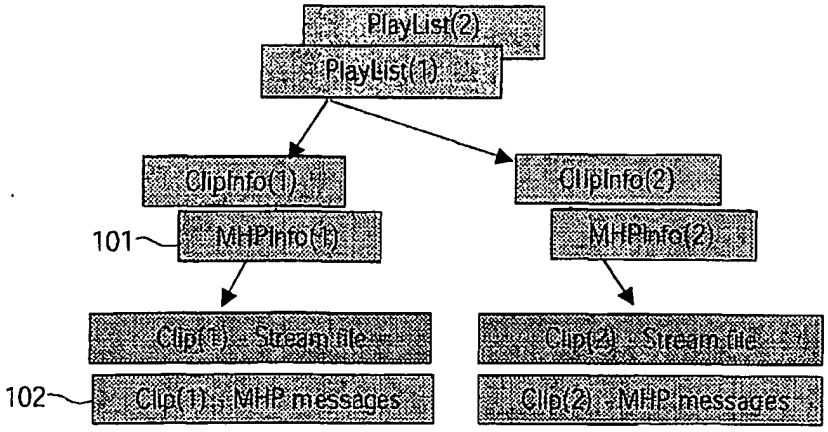

FIG.10